



特許協力条約に基づいて公開された国際出願

(51) 国際特許分類 C12N 15/00, 9/00, A61K 31/00, 31/70, 35/76, 48/00	A1	(11) 国際公開番号 WO00/12686 (43) 国際公開日 2000年3月9日(09.03.00)
(21) 国際出願番号 PCT/JP99/04718 (22) 国際出願日 1999年8月31日(31.08.99) (30) 優先権データ 特願平10/244755 1998年8月31日(31.08.98) JP (71) 出願人 (米国を除くすべての指定国について) 工業技術院長が代表する日本国(JAPAN as represented by DIRECTOR-GENERAL OF AGENCY OF INDUSTRIAL SCIENCE AND TECHNOLOGY)[JP/JP] 〒100-8921 東京都千代田区霞ヶ関一丁目3番1号 Tokyo, (JP) (72) 発明者 ; および (75) 発明者 / 出願人 (米国についてのみ) 多比良和誠(TAIRA, Kazunari)[JP/JP] 〒305-0046 茨城県つくば市東2-4-29 Ibaraki, (JP) 大川 淳(OHKAWA, Jun)[JP/JP] 〒305-0042 茨城県つくば市下広岡1055-588 B108 Ibaraki, (JP) 小関しおり(KOSEKI, Shiori)[JP/JP] 〒990-2331 山形県山形市飯田西2-2-6-405 Yamagata, (JP)		(74) 代理人 平木祐輔, 外(HIRAKI, Yusuke et al.) 〒105-0001 東京都港区虎ノ門1丁目17番1号 虎ノ門5森ビル3階 Tokyo, (JP) (81) 指定国 JP, US, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE) 添付公開書類 国際調査報告書
(54) Title: EXPRESSION SYSTEMS FOR FUNCTIONAL NUCLEIC ACID EXPRESSION		
(54) 発明の名称 機能性核酸転写用発現系		
<div style="text-align: center;"><p>5' -ACCGUUGGUUCCGUAGUGUAGUGGUUAUCACGUUCGCCUAACACGCGAAAGGUC CCCCGUUCGAAACCGGGCACUACAAACACAACACUGAUGAGGACCGAAAGGUCCGAAACGGGCACGUCGGA AACGGUUUUU-3' (I)</p><p>5' -ACCGUUGGUUCCGUAGUGUAGUGGUUAUCACGUUCGCCUAACACGCGAAAGGU CCCCGGUUCGAAACCGGGCACUACAAACCAACACACAACACUGAUGAGGACCGAAAGGUCCGAAACGGGCA CGUCGGAAACGGUUUUU-3' (II)</p></div>		
(57) Abstract Ribozymes containing the base sequence (I) or nucleotide sequence (II).		

Attorney's Docket No.: _____

DECLARATION, POWER OF ATTORNEY AND PETITION

I (We), the undersigned inventor(s), hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I (We) believe that I am (we are) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

EXPRESSION SYSTEMS FOR TRANSCRIPTION OF FUNCTIONAL NUCLEIC ACIDS

the specification of which

☐ is attached hereto.

☐ was filed on _____ as

Application Serial No. _____

and amended on _____

☒ was filed as PCT international application

Number PCT/JP99/04718

on August 31, 1999

and was amended under PCT Article 19

on _____ (if applicable).

I (We) hereby state that I (We) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above; that I (We) do not know and do not believe that this invention was ever known or used before my invention or discovery thereof, or patented or described in any printed publication in any country before my invention or discovery thereof, or more than one year prior to this application, or in public use or on sale in the United States for more than one year prior to this application; that this invention or discovery has not been patented or made the subject of an inventor's certificate in any country foreign to the United States on an application filed by me or my legal representatives or assigns more than twelve months before this application.

I (We) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

I (We) hereby claim foreign priority benefits under Section 119(a)-(d) of Title 35 United States Code, of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Application No.	Country	Filing date	Priority claimed
<u>244755/1998</u>	<u>Japan</u>	<u>August 31, 1998</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Section 119(e) of Title 35 United States Code, of any United States application(s) listed below.

(Application Number)

(Filing Date)

(Application Number)

(Filing Date)

I (We) hereby claim the benefit under Section 120 of Title 35 United States Code, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Section 112 of Title 35 United States Code, I (We) acknowledge the duty to disclose material information as defined in Section 1.56(a) of Title 37 Code of Federal Regulations, which occurred between the filing date of the prior application and national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (pending, patented, abandoned)
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And I (We) hereby appoint: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P., Registration No. 22,540; Douglas B. Henderson, Registration No. 20,291; Ford E. Farabow, Jr., Registration No. 20,630; Arthur S. Garrett, Registration No. 20,338; Donald R. Dunner, Registration No. 19,073; Brian G. Brunsvold, Registration No. 22,593; Tipton D. Jennings, IV, Registration No. 20,645; Jerry D. Voight, Registration No. 23,020; Laurence R. Hefter, Registration No. 20,827; Kenneth E. Payne, Registration No. 23,098; Herbert H. Mintz, Registration No. 26,691; C. Larry O'Rourke, Registration No. 26,014; Albert J. Santorelli, Registration No. 22,610; Michael C. Elmer, Registration No. 25,857; Richard H. Smith, Registration No. 20,609; Stephen L. Peterson, Registration No. 26,325; John M. Romary, Registration No. 26,331; Bruce C. Zotter, Registration No. 27,680; Dennis P. O'Reilley, Registration No. 27,932; Allen M. Sokal, Registration No. 26,695; Robert D. Bajefsky, Registration No. 25,387; Richard L. Stroup, Registration No. 28,478; David W. Hill, Registration No. 28,220; Thomas I. Irving, Registration No. 28,619; Charles E. Lipsey, Registration No. 28,165; Thomas W. Winland, Registration No. 27,605; Basil J. Lewis, Registration No. 28,818; Martin I. Fuchs, Registration No. 28,508; E. Robert Yoches, Registration No. 30,120; Barry W. Graham, Registration No. 29,924; Susan Haberman Griffen, Registration No. 30,907; Richard B. Racine, Registration No. 30,415; Thomas H. Jenkins, Registration No. 30,857; Robert E. Converse, Jr., Registration No. 27,432; Clair X. Mullen, Jr., Registration No. 20,348; Christopher P. Foley, Registration No. 31,354; John C. Paul, Registration No. 30,413; David M. Kelly, Registration No. 30,953; Kenneth J. Meyers, Registration No. 25,146; Carol P. Einaudi, Registration No. 32,220; Walter Y. Boyd, Jr., Registration No. 31,738; Steven M. Anzalone, Registration No. 32,095; Jean B. Fordis, Registration No. 32,984; Barbara C. McCurdy, Registration No. 32,120; James K. Hammond, Registration No. 31,964; Richard V. Burgujian, Registration No. 31,744; J. Michael Jakes, Registration No. 32,824; Thomas W. Banks, Registration No. 32,719; M. Paul Barker, Registration No. 32,013; Bryan C. Diner, Registration No. 32,409; Christopher P. Isaac, Registration No. 32,616; Andrew C. Sonu, Registration No. 33,457; and Dirk D. Thomas, Registration No. 32,600.

I(We) hereby request that all correspondence regarding this application be sent to the firm of FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P. whose Post office address is: 1300 I Street, N.W., WASHINGTON, D.C. 20005, U.S.A.

I (We) declare further that all statements made herein of my (our) knowledge are true and that all statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Kazunari TAIRA

NAME OF FIRST SOLE INVENTOR



Signature of Inventor

February 19, 2001

Date

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Citizen of: Japan

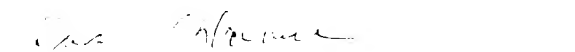
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Signature of Inventor

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NAME OF FOURTH JOINT INVENTOR

Signature of Inventor

Date

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Citizen of: _____

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NAME OF FIFTH JOINT INVENTOR

Signature of Inventor

Date

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